

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052521\
 Data File : VY004870.D
 Acq On : 25 May 2021 11:54
 Operator : SY/MD
 Sample : M2250-03
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-QT3-2021-05

Manual Integrations
 APPROVED

MMDadoda
 5/27/2021 10:28:36 AM

Quant Time: May 26 03:43:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMLYM051921SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 26 03:09:44 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.697	114	286711	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.496	117	258020	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	119997	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	109509	23.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.76%
7) Chloroethane-d5	2.765	69	87749	25.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.96%
11) 1,1-Dichloroethene-d2	3.863	63	154839	19.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.16%
21) 2-Butanone-d5	6.899	46	91612	47.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.54%
24) Chloroform-d	7.490	84	184260	25.05	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	8.149	65	113888	24.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.24%
32) Benzene-d6	8.118	84	404092	26.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.60%
36) 1,2-Dichloropropane-d6	9.124	67	127034	25.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.36%
41) Toluene-d8	10.185	98	345587	24.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.56%
43) trans-1,3-Dichloroprop...	10.441	79	56590	23.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.88%
47) 2-Hexanone-d5	10.794	63	63403	46.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.60%
56) 1,1,2,2-Tetrachloroeth...	12.562	84	104743	23.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.80%
66) 1,2-Dichlorobenzene-d4	13.727	152	110854	25.56	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.24%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	3895	1.02	ug/L	94
3) Chloromethane	2.119	50	6119	1.31	ug/L	88
5) Vinyl chloride	2.259	62	5465	1.09	ug/L	87
6) Bromomethane	2.662	94	2519	1.28	ug/L	81
8) Chloroethane	2.802	64	2870	0.98	ug/L	84
9) Trichlorofluoromethane	3.137	101	5595	0.87	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	3.905	101	4704m	1.24	ug/L	
12) 1,1-Dichloroethene	3.875	96	4706	1.33	ug/L #	1
13) Acetone	3.954	43	3218	2.81	ug/L	75
14) Carbon disulfide	4.204	76	11451	1.01	ug/L	100
15) Methyl Acetate	4.491	43	2971	0.93	ug/L #	76
16) Methylene chloride	4.735	84	12570	2.56	ug/L	98
17) trans-1,2-Dichloroethene	5.234	96	3397	0.88	ug/L	97
18) Methyl tert-butyl Ether	5.234	73	9375	0.85	ug/L #	88
19) 1,1-Dichloroethane	6.027	63	6882	0.94	ug/L	94
20) cis-1,2-Dichloroethene	6.990	96	4232m	1.02	ug/L	
22) 2-Butanone	7.002	43	3758	1.90	ug/L #	75
23) Bromochloromethane	7.344	128	1752m	0.90	ug/L	
25) Chloroform	7.515	83	11936	1.59	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.246	62	5185	1.00	ug/L	98
29) Cyclohexane	7.789	56	5382	0.80	ug/L #	33
30) 1,1,1-Trichloroethane	7.710	97	6038	0.99	ug/L #	83
31) Carbon tetrachloride	7.905	117	3736	0.78	ug/L	97
33) Benzene	8.167	78	14768	0.93	ug/L	100
34) Trichloroethene	8.941	95	3883	0.97	ug/L	92
35) Methylcyclohexane	9.185	83	5367	0.79	ug/L #	73
37) 1,2-Dichloropropane	9.222	63	4111	0.97	ug/L #	92
38) Bromodichloromethane	9.502	83	4809	0.92	ug/L #	99
39) cis-1,3-Dichloropropene	9.935	75	5969	0.91	ug/L	98
40) 4-Methyl-2-pentanone	10.075	43	7819	1.73	ug/L	95
42) Toluene	10.246	91	19802	1.18	ug/L	98
44) trans-1,3-Dichloropropene	10.471	75	8542	1.39	ug/L	97
45) 1,1,2-Trichloroethane	10.648	97	2972	0.90	ug/L	92
46) Tetrachloroethene	10.721	164	2652	0.87	ug/L	82
48) 2-Hexanone	10.837	43	5423	1.77	ug/L	98
49) Dibromochloromethane	10.983	129	3432	0.92	ug/L	100
50) 1,2-Dibromoethane	11.093	107	2919	0.92	ug/L	88
51) Chlorobenzene	11.520	112	9714	0.93	ug/L	95
52) Ethylbenzene	11.593	91	15915	0.88	ug/L	99
53) m,p-Xylene	11.703	106	5810	0.86	ug/L	95
54) o-Xylene	12.032	106	5294	0.82	ug/L	95
55) Styrene	12.044	104	8260	0.75	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.581	83	4062	1.01	ug/L #	94
59) Bromoform	12.209	173	1966	0.86	ug/L	97
60) Isopropylbenzene	12.331	105	13209	0.78	ug/L	97
61) 1,2,3-Trichloropropane	12.636	75	3196	0.98	ug/L	93
62) 1,3,5-Trimethylbenzene	12.812	105	10554	0.78	ug/L	98
63) 1,2,4-Trimethylbenzene	13.123	105	10928	0.81	ug/L	95
64) 1,3-Dichlorobenzene	13.367	146	6606	0.92	ug/L	96
65) 1,4-Dichlorobenzene	13.446	146	6848	0.94	ug/L	92
67) 1,2-Dichlorobenzene	13.745	146	6242	0.94	ug/L	93
68) 1,2-Dibromo-3-chloropr...	14.361	75	780m	1.05	ug/L	
69) 1,3,5-Trichlorobenzene	14.507	180	4445	0.92	ug/L	96
70) 1,2,4-trichlorobenzene	15.007	180	3672	0.91	ug/L	98
71) Naphthalene	15.239	128	8420	0.83	ug/L	97
72) 1,2,3-Trichlorobenzene	15.428	180	3350	0.91	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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